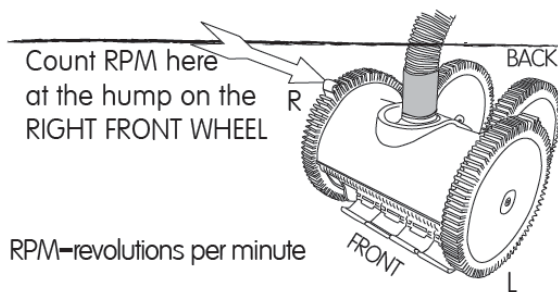


RPMS

The most common problem (95% of the time) is that the unit is not getting enough suction or getting way too much. You cannot see the difference between fast and slow with the naked eye! Often the Previous cleaner didn't work due to lack of suction or it was so worn they had to crank up the suction.

When we look at the unit we always look at the unit from behind. As if it is a car driving AWAY from us. We always count the RPMs (Revolutions per minute... how many times the wheel turns around in one minute) on the right front wheel (looking from behind). The reason for this is that the left front wheel has the steering system and it alternates between forward and backwards. So any counting of the alternating turns does not result in any number that is measureable. In other words count the wheel that only goes one direction!

RPMS



While the POOLCLEANER™ is running take it by the leader hose so that the POOLCLEANER™ is just below the water. (KEEP THE CLEANER BELOW THE WATER LEVEL or else it will suck air). Now count the number of revolutions made per minute by the RIGHT FRONT WHEEL by using the hump (raised knob) as your marker. It should be between 11 and 14 RPM

SYMPTOMS

Very High RPMS

- Cleaner is falling on its side (this can also be floats on leader hose missing).
- Cleaner is doing wheelies and tipping backward.
- Cleaner is slipping a little because it can't pull the hose fast enough.
- Climbs out and sucks air constantly (this can also be worn tires).
- Cleaner is not covering pool. The Cam is made to work in the proper range of RPMS. So it will seem like it is turning a lot. Key here is that it turns BUT goes straight in between. If it is just turning never going straight there is something wrong with the steering.

Very low RPMS

- Cleaner is not covering pool.
- Cleaner gets stuck in corners. Or hung up on things.
- Cleaner is falling on its side (this can also be floats on leader hose missing).
- Cleaner stutters. Stop Go Stop Go. The rpms are so low that the friction from the floor stops the cleaner. (They say it works when the wiggle hose. Or if it isn't touching floor. You can hold the cleaner 2 ft under the water and jump start the right front wheel and it will turn and you get something ridiculous like 3 to 5 rpms.)
- Hoses coil (this can also be the swivel on the head is dirty).
- Cleaner won't climb.

NOTE: Here is a trick that we do on the phone when checking RPMS with the customer. During the discussion we typically mention the RPMS should be between 11 and 14. Since homeowners and pool guys alike tend to lie about the actual RPMS when we check it on the phone with them we time them to only 30 seconds and have them count the RPMS. So whatever the result is, you multiply by 2 for the actual RPMS. If they say 14 or whatever they are typically lying. So we explain that we can't help them unless they actually do it. They are usually surprised that we caught them and will then actually count the RPMS with us on the phone and it is always something super low.

2 Wheel PoolCleaner vs 4 Wheel PoolCleaner when to use which one?

We typically use this example to illustrate which cleaner.

An easy way to determine if you need a 2 Wheel Suction PoolCleaner or a 4 Wheel Suction PoolCleaner is to imagine a 40 ft long pool. If the suction port or skimmer is half way (most newer pools) approx 20 ft from one end, then the 2 Wheel Model will be the right one.

If however the suction port is all the way at one end AND you have a very deep end (diving pools) the 4 Wheel PoolCleaner would be better suited for your pool.

The best way to describe it is that the 4 Wheel model can drag more hose.

The 2 Wheel unit comes with about (10 meters= 9 vacuum and one leader hose) 33 ft of hose. You can safely add two; max 3 lengths of hoses to it and then the hoses will outweigh the cleaner and pull it back. The 2 Wheel has a steering cam (program) that makes it turn 5 times in a cycle. So it turns more often to cover an average sized pool

The 4 Wheel unit comes with about (12 meters = 11 vacuum and one leader) 40 ft of hose. You can add quite a few lengths to it but at some point there will be two problems. One that the hoses will outweigh the cleaner and two that the more hoses you add there more suction is lost to the head. Max lengths of hose you can add depends on the suction of the system. The 4 Wheel has a cam that has only three cut outs so that the unit goes straight longer in order to cover a larger pool.

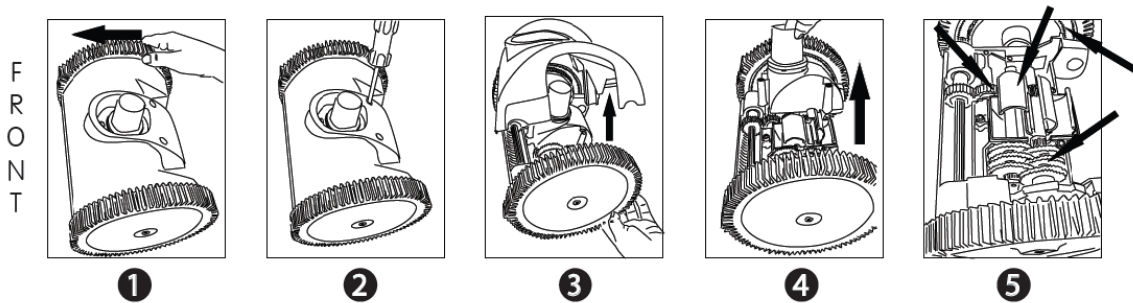
What happens if you use the wrong cleaner in the wrong pool? If say you place a 4 Wheel unit into a small pool(like a swim spa) the 4 Wheel will never have enough leverage to climb the walls so it will go to a wall and stay there with the wheels turning until the steering finally comes in and pulls it away. If you place a 2 Wheel into a huge pool and you add a whole bunch of hoses to compensate the cleaner will not cover the whole pool, it will favour either the shallow end or the deep-end.

SOLUTION: Often if they have a 2 Wheel but need more straight run you can replace the 2 Wheel Cam (896584000-235) with a 4 Wheel Cam (896584000-242). You can make that 2 Wheel go straight longer but you cant really add weight so if they have added a whole bunch of hoses it won't have enough power even with a 4 Wheel Cam.

Cleaner function CHECK

To check the function of the cleaner you can take it with the sticker facing away from you. Turn the right front wheel forward. This action tells you many things. Whether there is an obstruction, if something is worn or broken.

POOLCLEANER OBSTRUCTION



1. Rotate the right front wheel forward (the grill is the front) . If it wont move there is an obstruction. 2. Remove the three screws that hold the Shroud (Top Cover). 3. Remove the Shroud. 4. Remove the turbine cover (wiggle it up and off) 5. Visually inspect the cleaner. Remove any debris found in the turbine, reduction gears, wheel hubs etc.. If you remove the turbine vanes/blades please be sure to replace them correctly (see below). Replace the turbine cover and repeat step one before placing the shroud back on, drop 3 screws into slots and secure.

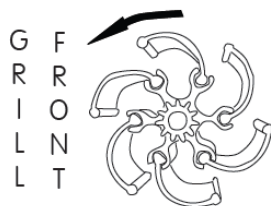
If the unit has something stuck in it you will not be able to turn the right front wheel forward. It will be stuck. If you can turn it but it ratchets then something is worn or broken. Possible parts that need to be inspected are the wheel hub (896584000-051) gear shaft into the wheel hubs (right drive 896584000-112 and steering slide 896584000-136), large drive gear 896584000-457. If the right wheel spins freely the wheel hub (896584000-051) is super-duper worn! If the right wheel is stuck then there is an obstruction that needs to be cleared. See above figure for details.

Note: One should never turn the left front because depending on where it is in the cycle on the cam, the left wheel will either turn (forward cycle steering slide is on the outside diameter of the cam), ratchet (backward cycle and steering slide is in one of the cut outs of the cam) or spin freely (limbo and the steering slide is between forward and backward motion).

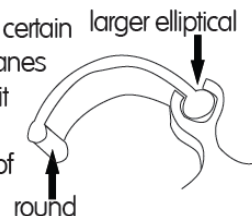
THE POOLCLEANER DOES NOT MOVE

Possible Cause	Solution
Cleaner moving too slow	Check Wheel RPM
The pump may be turned off or on low speed.	Make sure the pump is ON.
The three way valve may be in the wrong position.	If you have a designated suction port, divert suction away from your skimmers or main-drains to the suction port. If you are using the skimmer divert suction away from the main-drain to the skimmer.
The system may be dirty.	The filter may be dirty, and or the skimmer baskets over packed with debris.
The pump may not be primed	Make sure the pump is primed.
You may have a suction leak.	Check for leaks in the system. (Bubbles in the returning water). Fix the leak. Usually O-ring on pump lid, water level too low or plumbing leak (use shaving cream trick).
There could be a problem or obstruction somewhere in the system.	Clean and backwash the filter, clean the pump basket, make sure the vacuum hose is free from debris and leaks, check if pump impeller is blocked (see pump manual (impeller blockage is common in areas with pine needles).
Obstruction in the PoolCleaner itself.	To determine if there is an obstruction, take the cleaner out of the pool hold it in your hand with the sticker facing AWAY from you now turn the right front wheel forward (right is where your right hand is). If the cleaner moves smoothly, you don't have an obstruction (check the system its not the cleaner). If it wont move you will have to clear the obstruction
Turbine vanes in the wrong direction.	Make sure the turbine vanes are in the right direction. See Below.

TURBINE VANES/BLADES



B The turbine vanes have to be placed in the turbine hub a certain
A direction. We use the following mnemonic " The turbine vanes
C are like a wave breaking on the grill". In the front of the unit
K the vanes are convex (like a mountain) in the back they
are concave (like a valley). NOTE: The large elliptical end of
the vanes is placed into the turbine.



THE POOLCLEANER MOVES TOO SLOW (less than 11 RPM)

Possible Cause	Solution
There could be a problem or obstruction somewhere in the system.	Clean and backwash the filter, clean the pump basket, make sure the vacuum hose is free from debris and leaks, check if pump impeller is blocked (see pump manual).
Low wheel RPM (insufficient flow)	(See the manual to adjust RPM) After adjusting, if it is still below 7 RPM your pump is not strong enough (the PoolCleaner™ will still move and clean but won't go up the wall). At such low flow most other cleaners won't work at all. Designated line may be blocked have them hook to skimmer line to see if there is a difference in RPMs.
Obstruction in the PoolCleaner itself.	Clear the obstruction. Click here to see how.
See also the solutions for the cleaner "does not move" above.	

THE RIGHT WHEEL WILL NOT TURN WHEN ROTATED BY HAND

Possible Cause	Solution
There could be a problem or obstruction in the PoolCleaner.	Either in the turbine vanes or the gearing. Clear the obstruction. (there could be something in the turbine chamber or something stuck in the wheel hub)
Turbine vanes could be worn.	Replace turbine vanes.

THE RIGHT WHEEL SKIPS WHEN ROTATED BY HAND

Possible Cause	Solution
There is a problem in the PoolCleaner.	Wheel hub (896584000-051) and or right drive gear (896584000-112) worn or damaged

THE LOOPS IN THE HOSES WONT COME OUT

Possible Cause	Solution
The hoses must have been stored in a coiled position.	Lay them straight in the sunlight. If that doesn't work, replace that section of hose. Next time store them straight! You can get a PoolCleaner Keeper to solve this problem.
Dirt in the swivel cone. (Swivel on the head of the cleaner).	Although the swivel is self-cleaning there may be excessive debris. Remove any debris. It is helpful to place the swivel under a running tap while twisting to clean.
Leaf Canister in wrong place.	If using a leaf canister it may be in the wrong place or not floating.
Leader hose is kinked.	If the cleaner was put on the deck with the hoses attached to it, then the leader hose may have a kink in it.

THE POOLCLEANER TURNS IN CIRCLES, IT WONT GO STRAIGHT AT ALL.

Possible Cause	Solution
There is a problem in the PoolCleaner.	Wheel hub (896584000-051)and or large drive gear (896584000-457) and or steering slide (896584000-136) and or right drive gear (896584000-112)worn or damaged

THE POOLCLEANER DOES NOT CLEAN THE ENTIRE POOL.

Possible Cause	Solution
The vacuum hose is too short.	The hoses must be one to two lengths longer than the farthest point from attachment.(See manual)
The float may be in the wrong position.	The Float(s) should be 22-24" (60 cm) from the gray cuff (head of the cleaner) (See manual)
The hose cone swivel may be blocked.	Although the swivel is self-cleaning there may be excessive debris. Remove any debris. It is helpful to place the swivel under a running tap while twisting to clean.
Returns pushing cleaner.	Pool return fittings may be pushing the

Poolvergneugen PoolCleaner Troubleshooting.

	PoolCleaner hoses away. Make sure return fittings are pointed DOWN. (See manual)
The vacuum hose is too short.	The hoses must be one to two lengths longer than the farthest point from attachment.(See manual)

THE POOLCLEANER **WONT** CLIMB THE WALL.

Possible Cause	Solution
See “moves too slow” and “doesn’t clean entire pool” (See above)	
The float position may need to be adjusted.	For the most part make sure the Float is 24” (60 cm) away from gray cuff (See manual). But it may be necessary to adjust it by twisting the Float away from the gray cuff to improve climbing. Other factors may be at work like water too shallow, return fittings not pointed down, hoses too short.
Pool surface too slick.	If the pool surface is say tile or spray on fiberglass then you will need tile tires as the normal ones may slip.
Not enough Suction.	Too little suction or flow. Increase the RPMS
Note: It is NOT imperative for a cleaner to go up the wall as there is no dirt or very little dirt on the walls.	

WHEELS ARE WOBBLY

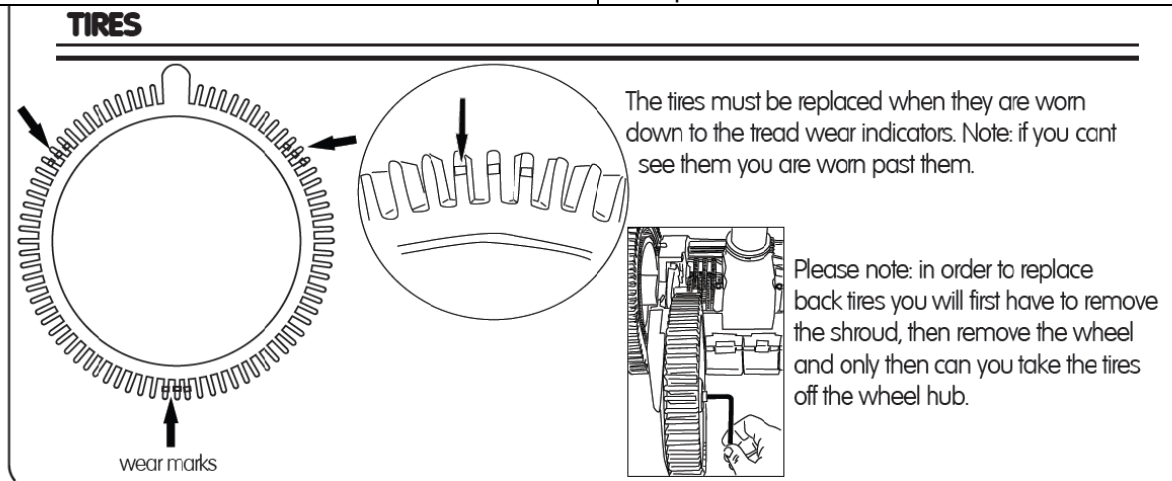
Possible Cause	Solution
Wheel hub bushing is worn.	DO NOT OVER TIGHTEN. It is a shoulder bolt! Wheel hubs are worn please replace.

PUMP TURNS OFF AND CLEANER POPS OUT OF SKIMMER OR SUCTION INLET (another symptom is cleaner is floating)

Possible Cause	Solution
Air in System.	Air in system. When the pump shuts off the air goes the path of least resistance and pops out the hose. Fix the air leak. Usually O-ring on pump lid, plumbing leak (use shaving cream trick).

THE POOLCLEANER CLIMBS THE WALL TOO MUCH OR IT CLIMBS OUT.

Possible Cause	Solution
Too much suction (flow).	Decrease the suction to the cleaner. Lower the RPMS
Tires may be worn.	The tire treads may be worn and/or the skirts may be worn, hence increasing the suction under the machine. See below for how to check tire wear.
Need to regulate flow.	May need a bypass valve or need to adjust auto skim plate.



THE POOLCLEANER FALLS ON ITS SIDE AND TAKES TOO LONG TO RECOVER.

Possible Cause	Solution
The vacuum hose is too short.	The hoses must be one to two lengths longer than the farthest point from attachment. (See manual)
The float may be in the wrong position.	Adjust float to be 24" (60 cm) from the gray cuff.
Return fittings pushing cleaner.	Return fittings are not pointed down. Point them down.
Unit doesn't have enough suction.	Check Wheel RPM and adjust accordingly.

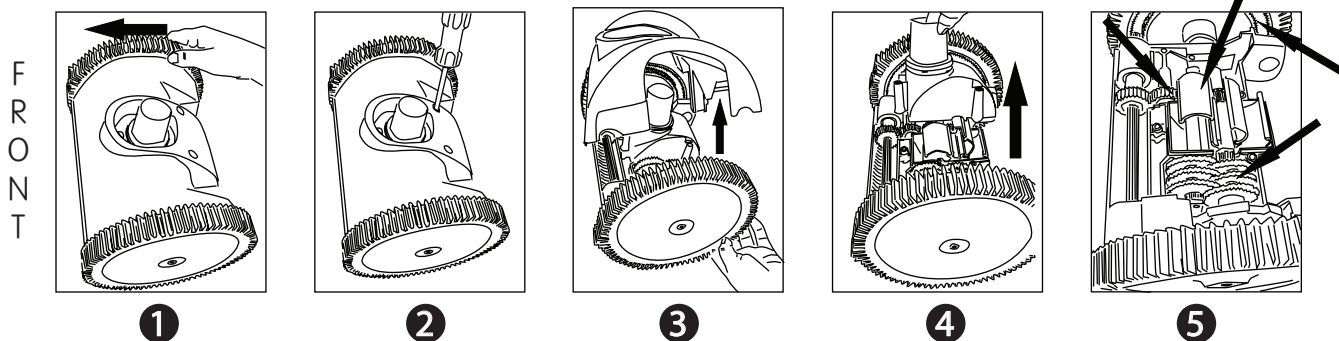
TURBINE VANES/BLADES POP OUT OF TURBINE

Possible Cause	Solution
Vanes in the wrong way.	Wrong side of vane in the turbine hub. Large elliptical side should be in turbine.
Turbine Hub worn	Replace turbine .

PROBLEM	SOLUTION
The PoolCleaner does not move.	<ul style="list-style-type: none"> ★ Check wheel RPM. ★ Obstruction in the PoolCleaner itself. If there was an obstruction make sure vanes are replaced correctly ★ The pump may be turned off or on low speed. ★ The pump may not be primed. Check for leaks in the system (symptoms--bubbles from the returns ?) Possible other problem or obstruction in the system. Pump impeller blocked? ★ Filter needs backwashing. Clean pump basket, skimmers. ★ Turbine vanes/blades in wrong direction and/or wrong side.
The PoolCleaner moves too slow. (see also "does not move" above)	<ul style="list-style-type: none"> ★ Problem or obstruction in the system. ★ Obstruction in the PoolCleaner itself. ★ Low wheel RPM (insufficient flow).
The right wheel will not turn when rotated by hand. (looking from behind)	<ul style="list-style-type: none"> ★ Obstruction in the PoolCleaner itself.
The right wheel skips teeth when rotated forward by hand. (looking from behind)	<ul style="list-style-type: none"> ★ Wheel hub or right drive gear worn/damaged.
The loops in the hoses won't come out.	<ul style="list-style-type: none"> ★ The hoses have been stored in a coiled position. Lay them straight in the sunlight. ★ Clean swivel on cleaner head by running it under a tap. ★ If using a leafcanister it may be in wrong place or not floating.
The PoolCleaner turns in circles, it won't go straight at all.	<ul style="list-style-type: none"> ★ Wheel hub and/or large drive gear and/or steering slide assembly and/or right drive gear are worn or damaged.
The PoolCleaner does not clean the entire pool.	<ul style="list-style-type: none"> ★ The hose is too short. ★ The float(s) may be in the wrong position. Should be 22-24" from cleaner head. ★ The Hose Cone Swivel (on the turbine cover) may be dirty. ★ The return fittings may be pushing the PoolCleaner hoses away. Point them down.
The PoolCleaner climbs the wall too much or climbs out.	<ul style="list-style-type: none"> ★ The tire treads and skirts may be worn down. ★ Too much suction or flow. ★ You are not using the Bypass Valve (if hook up is in skimmer). ★ Auto skim plate/vac plate needs adjustment.
The PoolCleaner won't climb the wall. (see also "moves too slow" above)	<ul style="list-style-type: none"> ★ Too little suction or flow. ★ Float may be in the wrong position.
When the pump turns off the hoses pop out of the skimmer or suction inlet. (another symptom of air is a cleaner floating)	<ul style="list-style-type: none"> ★ Make sure hose cone is properly placed into inlet/port/watergate. ★ Air in system. When pump shuts off air goes path of least resistance and pops out the hose. Fix air leak.
Wheels are wobbly.	<ul style="list-style-type: none"> ★ DO NOT OVER TIGHTEN. Wheel hubs are worn please replace.
The PoolCleaner falls on its side and takes too long to recover.	<ul style="list-style-type: none"> ★ The float(s) may be in the wrong position or missing. ★ The hose is too short. ★ The return fittings may be pushing the PoolCleaner hoses away. ★ Check wheel RPM.
Turbine vanes /blades pop out of turbine.	<ul style="list-style-type: none"> ★ Wrong side of vane in the turbine hub. Large elliptical side should be in turbine. ★ Turbine hub possibly worn.

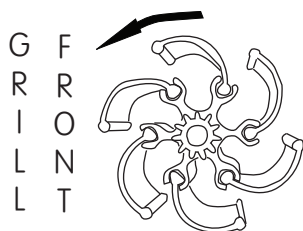
ALWAYS TURN OFF THE SYSTEM BEFORE PERFORMING ANY REPAIRS.

POOLCLEANER OBSTRUCTION

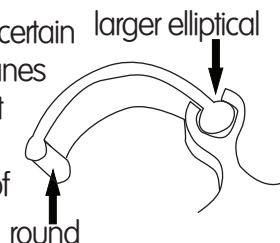


1. Rotate the right front wheel forward (the grill is the front). If it won't move there is an obstruction. 2. Remove the three screws that hold the Shroud (Top Cover). 3. Remove the Shroud. 4. Remove the turbine cover (wiggle it up and off). 5. Visually inspect the cleaner. Remove any debris found in the turbine, reduction gears, wheel hubs etc. If you remove the turbine vanes/blades please be sure to replace them correctly (see below). Replace the turbine cover and repeat step one before placing the shroud back on, drop 3 screws into slots and secure.

TURBINE VANES/BLADES

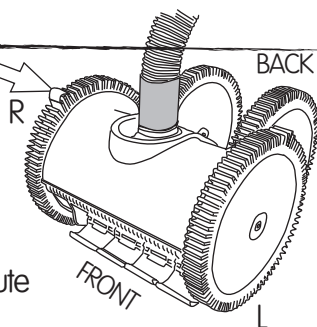


B The turbine vanes have to be placed in the turbine hub a certain direction. We use the following mnemonic "The turbine vanes are like a wave breaking on the grill". In the front of the unit the vanes are convex (like a mountain) in the back they are concave (like a valley). NOTE: The large elliptical end of the vanes is placed into the turbine.



RPMS

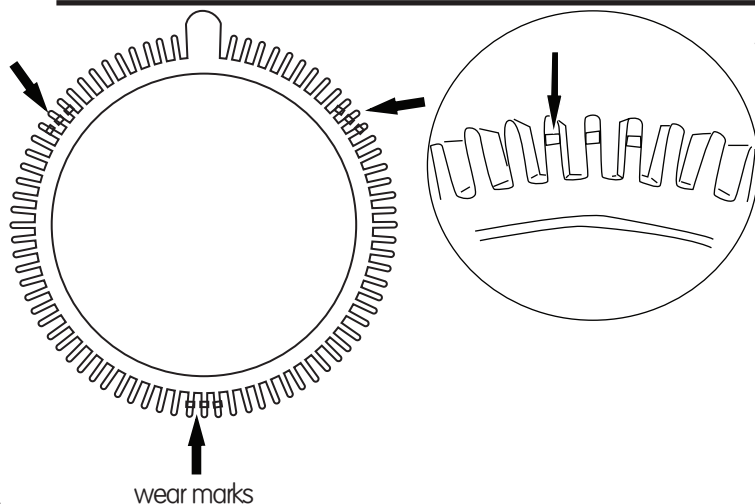
Count RPM here
at the hump on the
RIGHT FRONT WHEEL



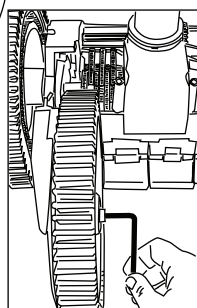
RPM=revolutions per minute

While the POOLCLEANER™ is running take it by the leader hose so that the POOLCLEANER™ is just below the water. (KEEP THE CLEANER BELOW THE WATER LEVEL or else it will suck air). Now count the number of revolutions made per minute by the RIGHT FRONT WHEEL by using the hump (raised knob) as your marker. It should be between 11 and 14 RPM

TIRES



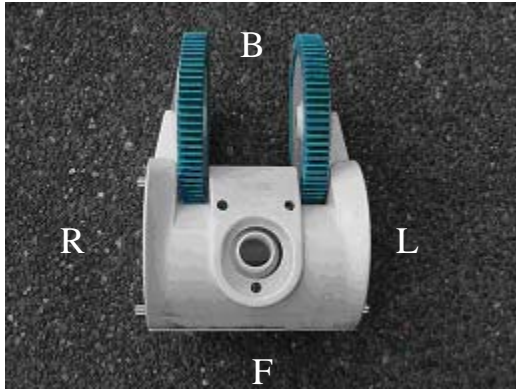
The tires must be replaced when they are worn down to the tread wear indicators. Note: if you can't see them you are worn past them.



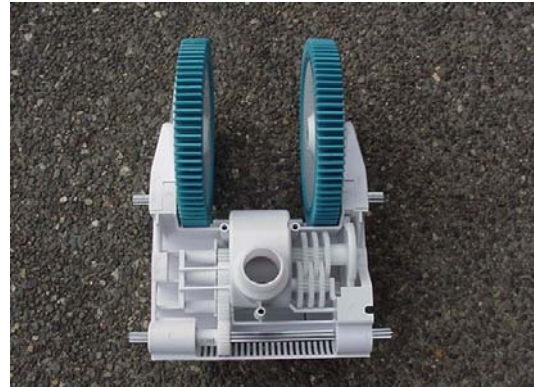
Please note: in order to replace back tires you will first have to remove the shroud, then remove the wheel and only then can you take the tires off the wheel hub.

To Change the Turbine Hub of the PoolCleaner

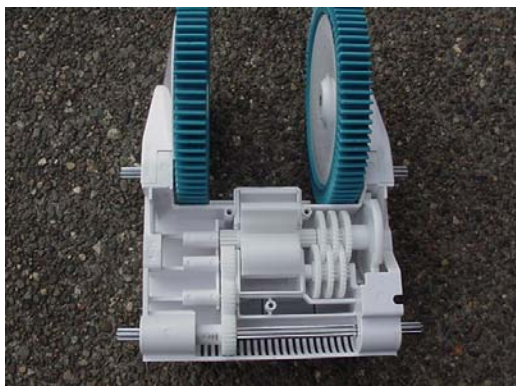
1. Remove the two front wheels.



2. Remove shroud with Phillips (3 self tapping screws)



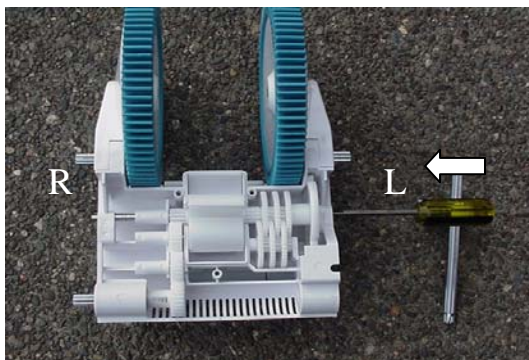
3. Remove Upper body assembly.



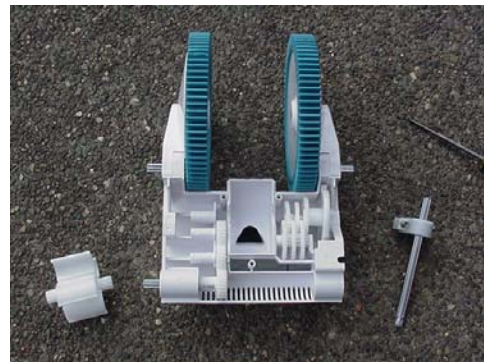
4. Remove steering slide assembly with shaft and 2 springs (Front Left) The machine is marked R and L on side wall)



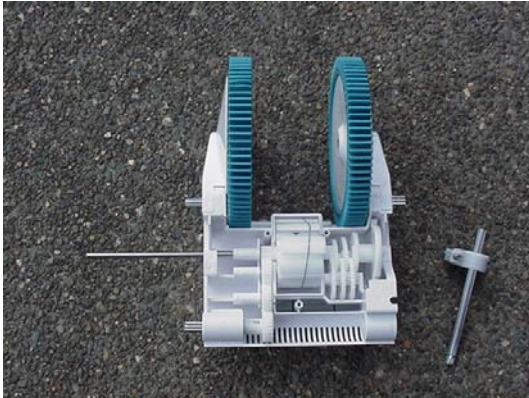
5. Remove 1/4" S/S shaft from **left to right** using a smaller shaft or Philips screw driver (Smaller than 1/4" otherwise the hole will be destroyed).



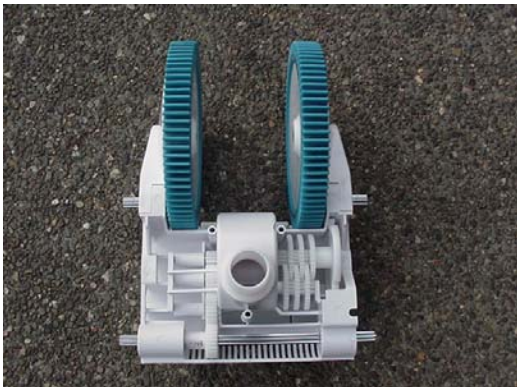
6. Remove turbine hub and replace with new turbine hub and vanes (**Make sure vanes point forward!!!**)



7. Insert shaft from **right to left**, first through the turbine hub, then through the 2 gears and then through the cam all the way into the left side body. Flush with the outside of the left side.
(Remove the elastic band)



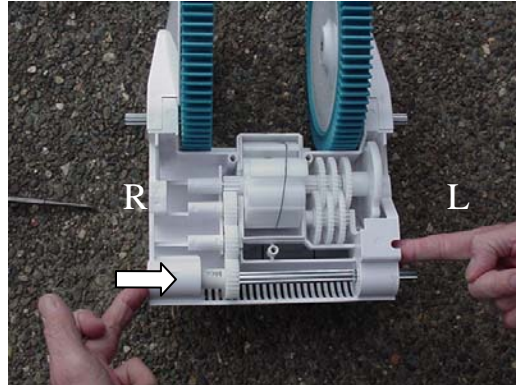
9. Place upper body assembly back on lower body.



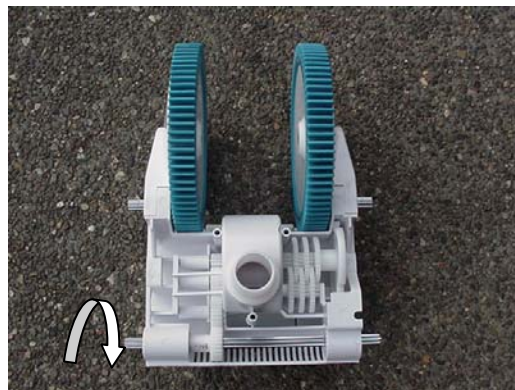
11. Replace the Shroud with 3 screws



8. Insert steering slide assembly with two springs and shaft (Make sure it bottoms out and does **NOT** push the drive gear assembly out) (Bearing to be flush with outside of right lower body).



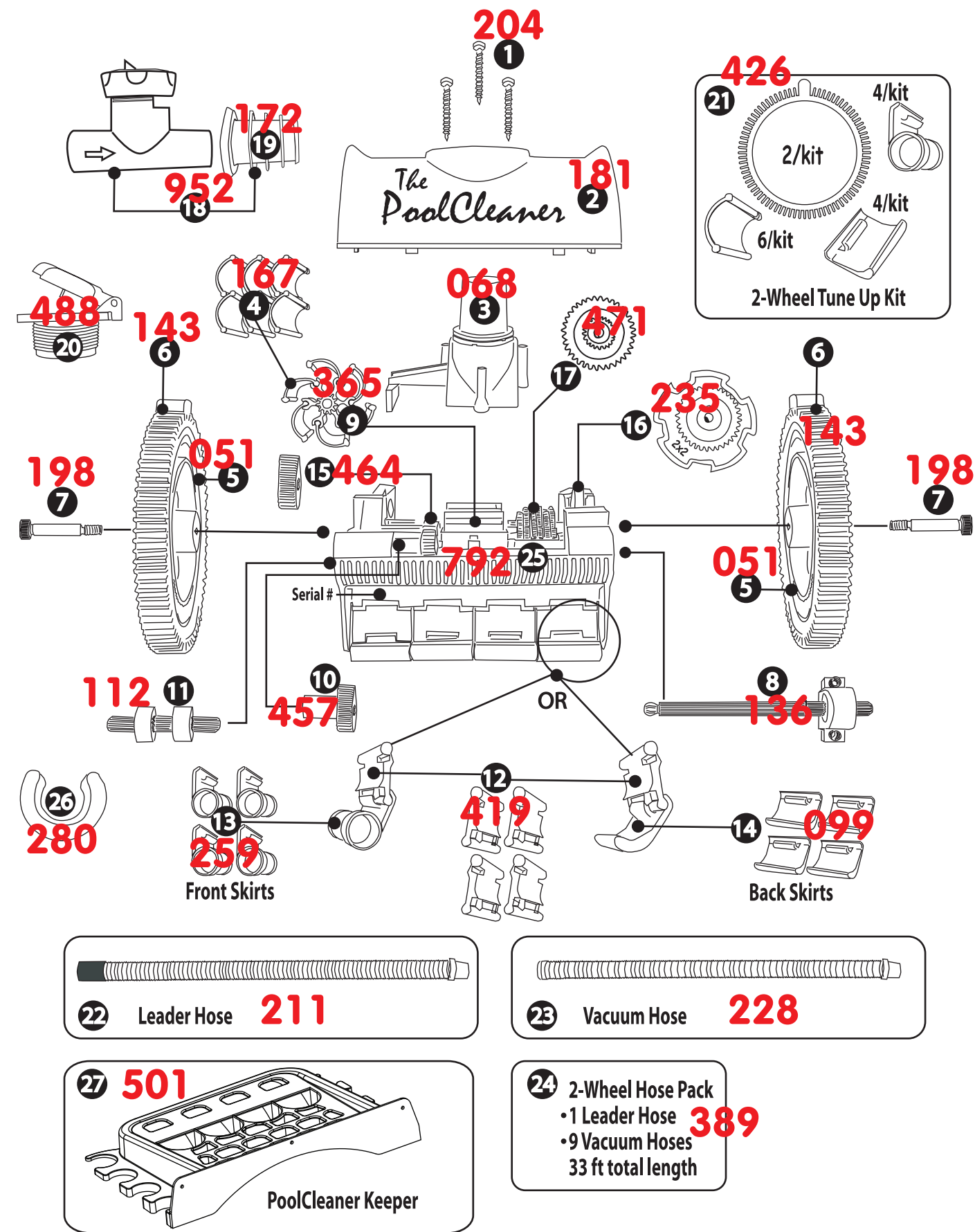
10. CHECK THE FREE SPINNING AND FREE ROTATING OF GEARS, VANES AND DRIVE GEAR ASSEMBLY. By rotating Front drive gear shaft forward.



12. Replace the 2 wheel assemblies. Make sure the shoulder bolt is hand tight. CHECK THE FREE SPINNING AND FREE ROTATING OF GEARS, VANES AND DRIVE GEAR ASSEMBLY BY ROTATING THE RIGHT FRONT WHEEL FORWARD.

2 WHEEL POOLCLEANER

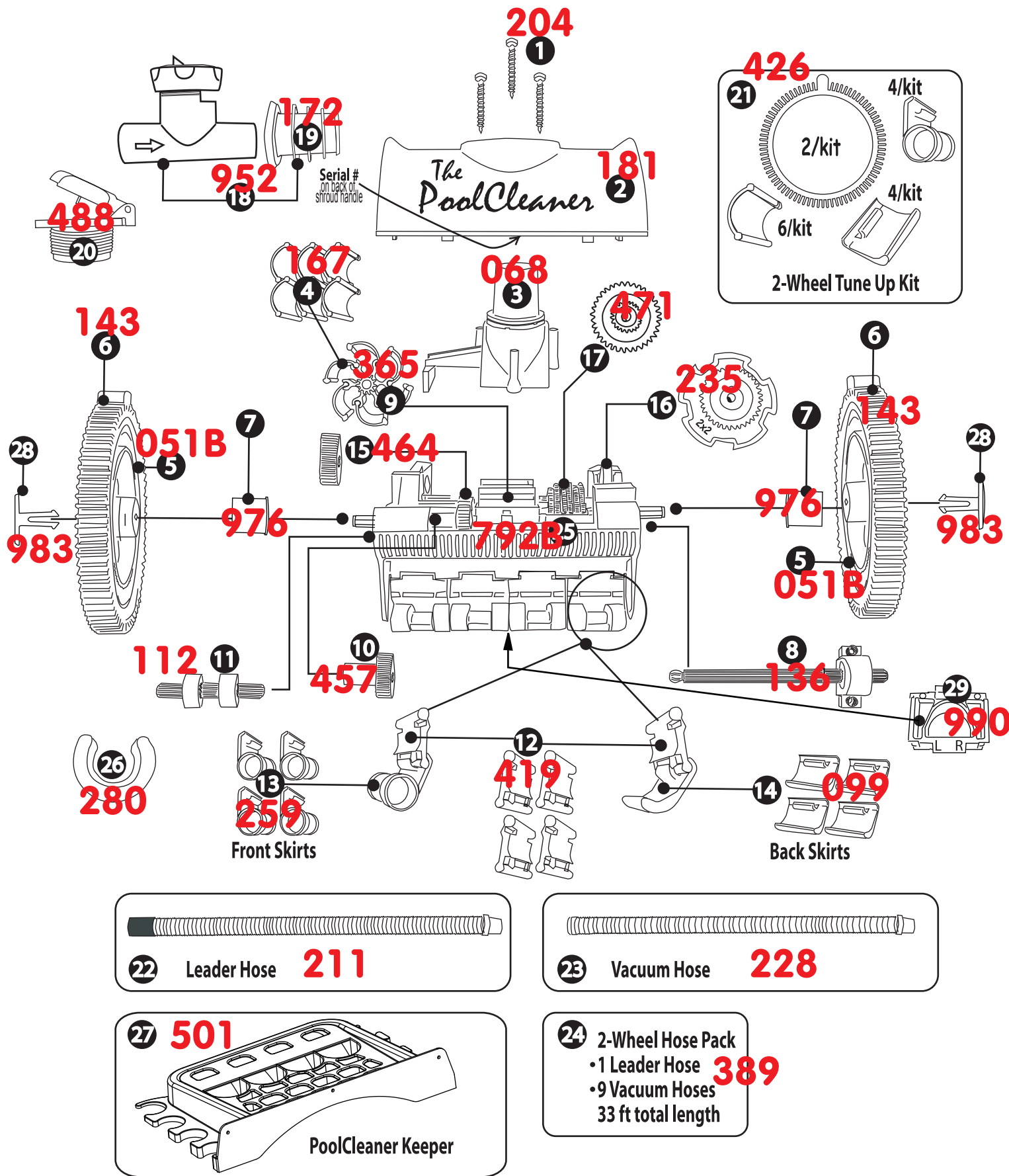
First Generation (older)



2 Wheel PoolCleaner		896584000-013	
Item Key	Description	Cleaners that use it	MFG # / SKU
1	Top Shroud Screw Kit (3 Screws per Kit)	2X/4X/2XLE/4XLE	896584000-204
2	Top Shroud Kit (shroud + 3 screws)	2X/4X	896584000-181
3	Upper Body Assemb (turbine cover)	2X/4X	896584000-068
4	Turbine Vane Kit (6 per kit) suction	2X/4X/2XLE/4XLE	896584000-167
5	Wheel Hub Assemb	2X/4X/PC	896584000-051
6a.	Front Tires with Super Humps Blue(2 per kit) for concrete	2X/4X/PC	896584000-143
6b.	Front Tires with Hump Blue (2 per kit) for vinyl and fiberglass	2X/4X/PC	896584000-075
6c.	Solid Front Tires Blue (2 per kit) for Tile pools	2X/4X/PC	896584000-334
6d.	Front Tires with Super Super Humps Blue(2 per kit) for BIG obstacles	2X/4X/PC	896584000-679
7	Wheel Bolt Kit (2 per kit)	2X/4X/2XLE/4XLE/PC	896584000-198
8	Steering Slide Assembly	2X/4X/2XLE/4XLE/PC	896584000-136
9	Turbine Hub and Vane Kit (hub + 6 vanes)	2X/4X/2XLE/4XLE	896584000-365
10	Large Drive Gear	2X/4X/2XLE/4XLE/PC	896584000-457
11	Front Right Drive Gear Assemb	2X/4X/2XLE/4XLE/PC	896584000-112
12	Bracket for Skirts (4 per kit)	2X/4X	896584000-419
13	Front Skirts with Rollers (4 per kit)	2X/4X	896584000-259
14	Skirt Kit A (4 per kit) for back of 2 wheel	2X	896584000-099
15	Small Drive Gear	2X/4X/2XLE/4XLE/PC	896584000-464
16	2X Steering Cam	2X	896584000-235
17	Reduction Gear	2X/4X/2XLE/4XLE/PC	896584000-471
18	Bypass Valve Replacement Kit (Valve + Hose Cone)	2X/4X	896584000-952
19	Hose Cone	2X/4X	896584000-172
20	Water Gate (Suction Port Door) White	2X/4X	896584000-488
21	2 Wheel Tune Up Kit (2 tires, 6 vanes, 4/4 skirts)	2X	896584000-426
22	Leader Hose	2X/4X	896584000-211
23	Vacuum Hose	2X/4X	896584000-228
24	2X Hose Pack (9 vacuum hose + 1 leader hose)	2X	896584000-389
25	2 Wheel Lower Body	2X	896584000-792
26	Universal PoolCleaner Float	2X/4X/PC	896584000-280
27	PoolCleaner Keeper	2X/4X/PC	896584000-501

2 WHEEL POOLCLEANER

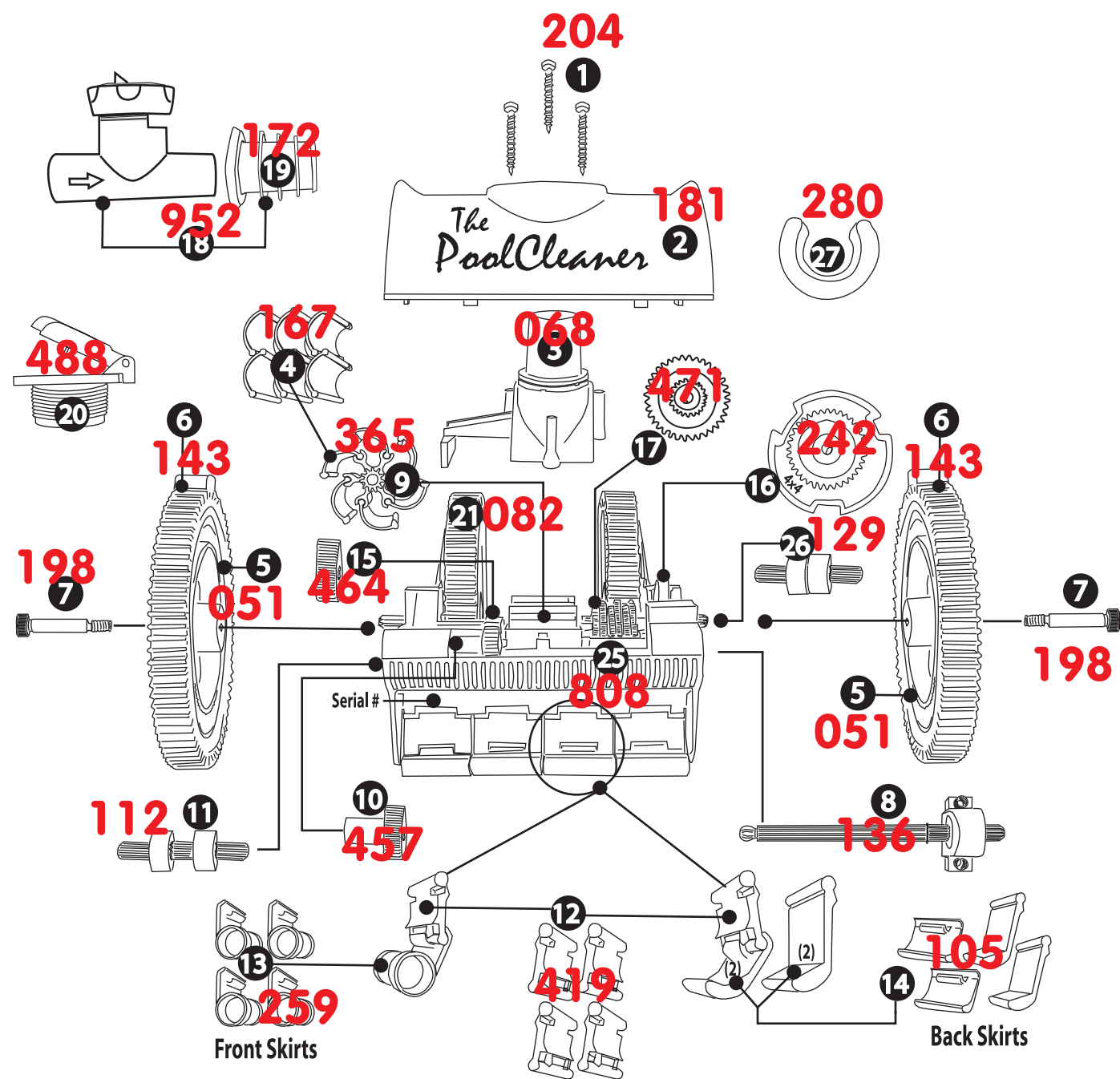
NEXT GEN



2 Wheel PoolCleaner		NEXT GEN	896584000-013
Item Key	Description	Cleaners that use it	MFG # / SKU
1	Top Shroud Screw Kit (3 Screws per Kit)	2X/4X/2XLE/4XLE	896584000-204
2	Top Shroud Kit (shroud + 3 screws)	2X/4X	896584000-181
3	Upper Body Assemb (turbine cover)	2X/4X	896584000-068
4	Turbine Vane Kit (6 per kit) suction	2X/4X/2XLE/4XLE	896584000-167
5	Wheel Hub Assemb	2X/4X/PC	896584000-051B
6a.	Front Tires with Super Humps Blue(2 per kit) for concrete	2X/4X/PC	896584000-143
6b.	Front Tires with Hump Blue (2 per kit) for vinyl and fiberglass	2X/4X/PC	896584000-075
6c.	Solid Front Tires Blue (2 per kit) for Tile pools	2X/4X/PC	896584000-334
6d.	Front Tires with Super Super Humps Blue(2 per kit) for BIG obstacles	2X/4X/PC	896584000-679
7	Wheel Bearing	2X/4X/2XLE/4XLE/PC	896584000-976
8	Steering Slide Assembly	2X/4X/2XLE/4XLE/PC	896584000-136
9	Turbine Hub and Vane Kit (hub + 6 vanes)	2X/4X/2XLE/4XLE	896584000-365
10	Large Drive Gear	2X/4X/2XLE/4XLE/PC	896584000-457
11	Front Right Drive Gear Assemb	2X/4X/2XLE/4XLE/PC	896584000-112
12	Bracket for Skirts (4 per kit)	2X/4X	896584000-419
13	Front Skirts with Rollers (4 per kit)	2X/4X	896584000-259
14	Skirt Kit A (4 per kit) for back of 2 wheel	2X	896584000-099
15	Small Drive Gear	2X/4X/2XLE/4XLE/PC	896584000-464
16	2X Steering Cam	2X	896584000-235
17	Reduction Gear	2X/4X/2XLE/4XLE/PC	896584000-471
18	Bypass Valve Replacement Kit (Valve + Hose Cone)	2X/4X	896584000-952
19	Hose Cone	2X/4X	896584000-172
20	Water Gate (Suction Port Door) White	2X/4X	896584000-488
21	2 Wheel Tune Up Kit (2 tires, 6 vanes, 4/4 skirts)	2X	896584000-426
22	Leader Hose	2X/4X	896584000-211
23	Vacuum Hose	2X/4X	896584000-228
24	2X Hose Pack (9 vacuum hose + 1 leader hose)	2X	896584000-389
25	2 Wheel Lower Body NEXT GEN	2X	896584000-792B
26	Universal PoolCleaner Float	2X/4X/PC	896584000-280
27	PoolCleaner Keeper	2X/4X/PC	896584000-501
28	Wheel Clip	2X/4X/PC	896584000-983
29	Suction inlet	2X/4X	896584000-990

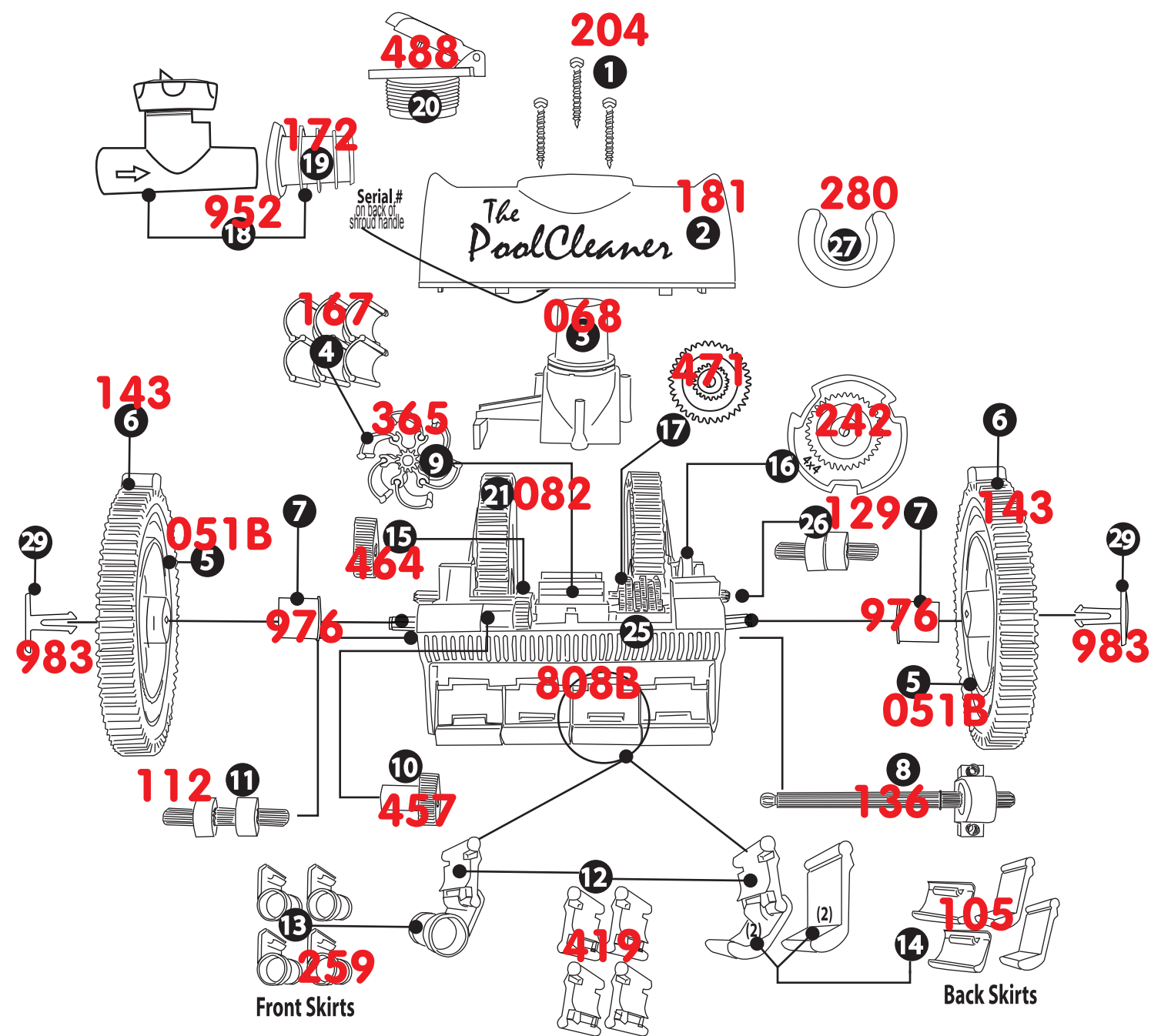
4 WHEEL POOLCLEANER

First Generation (older)



4 Wheel PoolCleaner		896584000-020	
Item Key	Description	Cleaners that use it	MFG # / SKU
1	Top Shroud Screw Kit (3 Screws per Kit)	2X/4X/2XLE/4XLE	896584000-204
2	Top Shroud Kit (shroud + 3 screws)	2X/4X	896584000-181
3	Upper Body Assemb (turbine cover)	2X/4X	896584000-068
4	Turbine Vane Kit (6 per kit) suction	2X/4X/2XLE/4XLE	896584000-167
5	Wheel Hub Assemb	2X/4X/PC	896584000-051
6a.	Front Tires with Super Humps Blue(2 per kit) for concrete	2X/4X/PC	896584000-143
6b.	Front Tires with Hump Blue (2 per kit) for vinyl and fiberglass	2X/4X/PC	896584000-075
6c.	Solid Front Tires Blue (2 per kit) for Tile pools	2X/4X/PC	896584000-334
6d.	Front Tires with Super Super Humps Blue(2 per kit) for BIG obstacles	2X/4X/PC	896584000-679
7	Wheel Bolt Kit (2 per kit)	2X/4X/2XLE/4XLE/PC	896584000-198
8	Steering Slide Assembly	2X/4X/2XLE/4XLE/PC	896584000-136
9	Turbine Hub and Vane Kit (hub + 6 vanes)	2X/4X/2XLE/4XLE	896584000-365
10	Large Drive Gear	2X/4X/2XLE/4XLE/PC	896584000-457
11	Front Right Drive Gear Assemb	2X/4X/2XLE/4XLE/PC	896584000-112
12	Bracket for Skirts (4 per kit)	2X/4X	896584000-419
13	Front Skirts with Rollers (4 per kit)	2X/4X	896584000-259
14	Skirt Kit B (4 per kit (2+2)) for back of 4 wheel	4X	896584000-105
15	Small Drive Gear	2X/4X/2XLE/4XLE/PC	896584000-464
16	4X Steering Cam	4X	896584000-242
17	Reduction Gear	2X/4X/2XLE/4XLE/PC	896584000-471
18	Bypass Valve Replacement Kit (Valve + Hose Cone)	2X/4X	896584000-952
19	Hose Cone	2X/4X	896584000-172
20	Water Gate (Suction Port Door) White	2X/4X	896584000-488
21a.	Back TiresBlue (2 per kit) No Hump	4X/XP	896584000-082
21b.	Solid Back Tires Blue (2 per kit) for Tile pools No Hump	4X/XP	896584000-372
22	Leader Hose	2X/4X	896584000-211
23	Vacuum Hose	2X/4X	896584000-228
24	4X Hose Pack (10 vacuum hose + 1 leader hose)	4X	896584000-396
25	4 Wheel Lower Body	4X	896584000-808
26	Rear Wheel Bearing and Shaft Kit	4X/PC	896584000-129
27	Universal PoolCleaner Float	2X/4X/PC	896584000-280
28	PoolCleaner Keeper	2X/4X/PC	896584000-501

4 WHEEL POOLCLEANER NEXT GEN



4 Wheel PoolCleaner		896584000-020	
Item Key	Description	Cleaners that use it	MFG # / SKU
1	Top Shroud Screw Kit (3 Screws per Kit)	2X/4X/2XLE/4XLE	896584000-204
2	Top Shroud Kit (shroud + 3 screws)	2X/4X	896584000-181
3	Upper Body Assemb (turbine cover)	2X/4X	896584000-068
4	Turbine Vane Kit (6 per kit) suction	2X/4X/2XLE/4XLE	896584000-167
5	Wheel Hub Assemb	2X/4X/PC	896584000-051B
6a.	Front Tires with Super Humps Blue(2 per kit) for concrete	2X/4X/PC	896584000-143
6b.	Front Tires with Hump Blue (2 per kit) for vinyl and fiberglass	2X/4X/PC	896584000-075
6c.	Solid Front Tires Blue (2 per kit) for Tile pools	2X/4X/PC	896584000-334
6d.	Front Tires with Super Super Humps Blue(2 per kit) for BIG obstacles	2X/4X/PC	896584000-679
7	Wheel Bearing	2X/4X/2XLE/4XLE/PC	896584000-976
8	Steering Slide Assembly	2X/4X/2XLE/4XLE/PC	896584000-136
9	Turbine Hub and Vane Kit (hub + 6 vanes)	2X/4X/2XLE/4XLE	896584000-365
10	Large Drive Gear	2X/4X/2XLE/4XLE/PC	896584000-457
11	Front Right Drive Gear Assemb	2X/4X/2XLE/4XLE/PC	896584000-112
12	Bracket for Skirts (4 per kit)	2X/4X	896584000-419
13	Front Skirts with Rollers (4 per kit)	2X/4X	896584000-259
14	Skirt Kit B (4 per kit (2+2)) for back of 4 wheel	4X	896584000-105
15	Small Drive Gear	2X/4X/2XLE/4XLE/PC	896584000-464
16	4X Steering Cam	4X	896584000-242
17	Reduction Gear	2X/4X/2XLE/4XLE/PC	896584000-471
18	Bypass Valve Replacement Kit (Valve + Hose Cone)	2X/4X	896584000-952
19	Hose Cone	2X/4X	896584000-172
20	Water Gate (Suction Port Door) White	2X/4X	896584000-488
21a.	Back TiresBlue (2 per kit) No Hump	4X/XP	896584000-082
21b.	Solid Back Tires Blue (2 per kit) for Tile pools No Hump	4X/XP	896584000-372
22	Leader Hose	2X/4X	896584000-211
23	Vacuum Hose	2X/4X	896584000-228
24	4X Hose Pack (10 vacuum hose + 1 leader hose)	4X	896584000-396
25	4 Wheel Lower Body	4X	896584000-808B
26	Rear Wheel Bearing and Shaft Kit	4X/PC	896584000-129
27	Universal PoolCleaner Float	2X/4X/PC	896584000-280
28	PoolCleaner Keeper	2X/4X/PC	896584000-501
29	Wheel Clip	2X/4X/PC	896584000-983